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two-thirds of the present volume. The work concludes with the usual "reperitorium," index of species, and a complete index of genera in all volumes. The generic index is printed on differently colored paper. Some suggestions regarding the diagnosis and nomenclature of species printed in the first pages of the volume aim to bring about some uniformity in the publication of species. As these rules have been published in several journals,⁴ it is unnecessary to repeat them here:—H. HASSELBRING.

A book for young gardeners.—A booklet prepared by H. D. HEMENWAY,⁵ the director of the School of Horticulture at Hartford, Conn., will prove helpful to those interested in home and school gardens. Aside from simple discussion of the objects and benefits of tillage, the preparation of the soil, and planting the garden, the booklet furnishes abundant and detailed directions for testing and saving the seeds of the more common flowers and vegetables, for the planting of trees, the making of hot-beds, the making of window gardens, and for the culture of strawberries and other fruits. The directions are clear and give with sufficient detail the points most useful to the beginner.—H. HASSELBRING.

Das Pflanzenreich.—Part 25 of this work has just appeared⁶ and contains a presentation of the Juncaceae by the late Dr. FR. BUCHENAU. The usual full discussion of the various structures of the family and its geographical distribution is followed by a synopsis of the 8 genera, among which the species are distributed as follows: *Distichia* (3), *Patosia* (1), *Oxychloe* (2), *Marsippospermum* (3), *Rostkovia* (1), *Pronium* (1), *Luzula* (61, of which 2 are new), *Juncus* (209, of which 5 are new). The whole presentation is remarkably full in details of forms and in illustrations, and is of particular interest to American botanists.—J. M. C.

Index Filicum.—The ninth fascicle of CHRISTENSEN's work has appeared,⁷ carrying the references from *Polypodium Beddomei* to *Polystichum aculeatum*. The great genus *Polypodium* fills the whole fascicle excepting the last page.—J. M. C.

NOTES FOR STUDENTS.

Plant diseases.—CLINTON,⁸ in his report as Botanist of the Connecticut Experiment Station for 1905, presents interesting notes and illustrations of several fungous diseases of plants in that state, followed by a more detailed

⁴ In the United States, in Jour. Mycol. 10:109. 1904.

⁵ HEMENWAY, H. D., Hints and helps for young gardeners, a treatise designed for those young in experience as well as youthful gardeners. 8vo. paper. pp. 59. illustrated. Hartford, Conn.: The Author. 1906. 35 cents.

⁶ ENGLER, A., Das Pflanzenreich. Heft 25, Juncaceae by FR. BUCHENAU. 8vo. pp. 284. figs. 121 (777). Leipzig: Wilhelm Englemann. 1906. M 14.20.

⁷ CHRISTENSEN, C., Index Filicum, etc. Fasc. 9. Copenhagen: H. Hagerups Boghandel. 1906. 3s. 6d.

⁸ CLINTON, G. P., Report of the Botanist. Rept. Conn. Exp. Stat. 1905: 263-330. pls. 13-25. figs. 8-9. 1906.